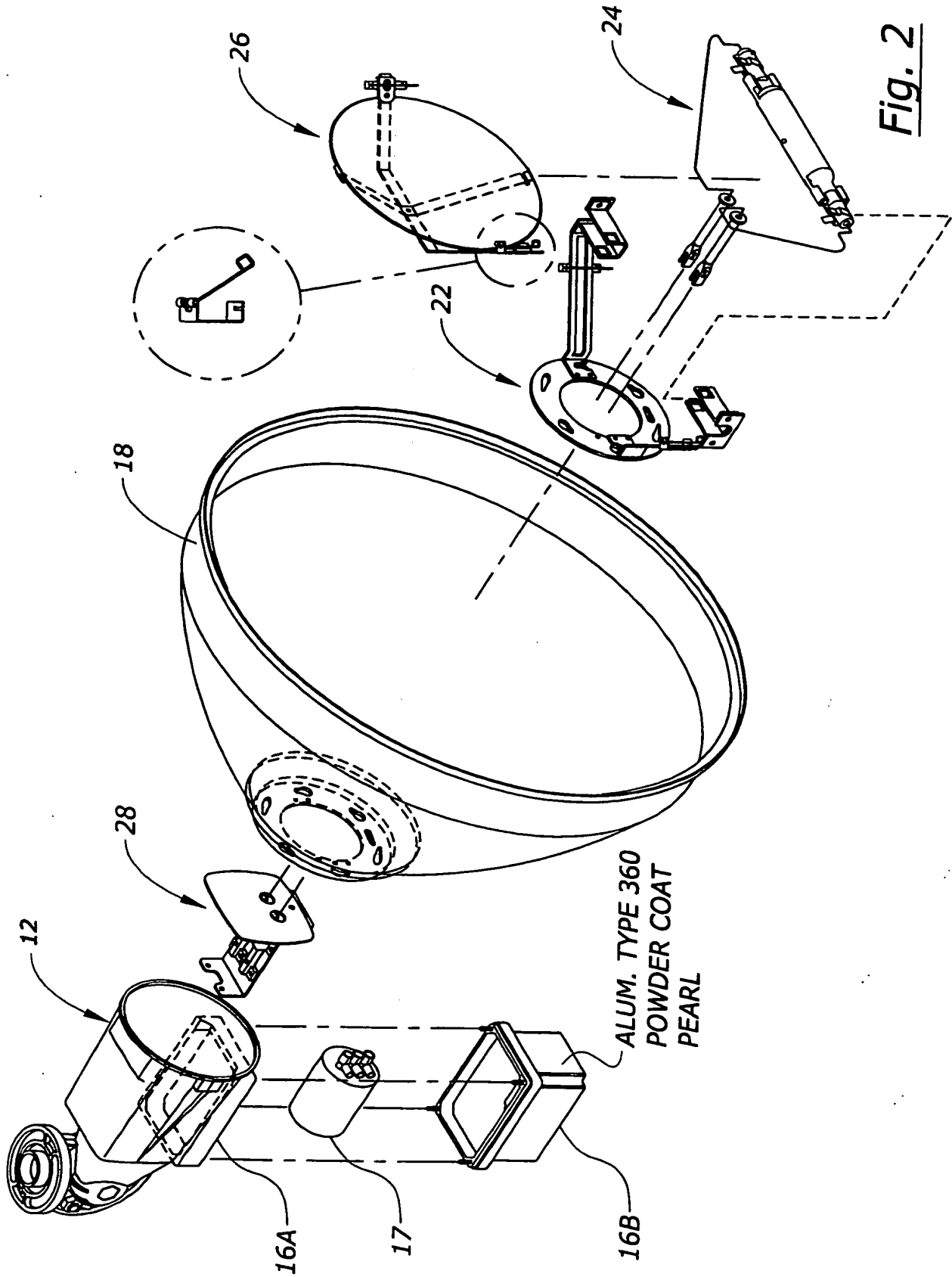
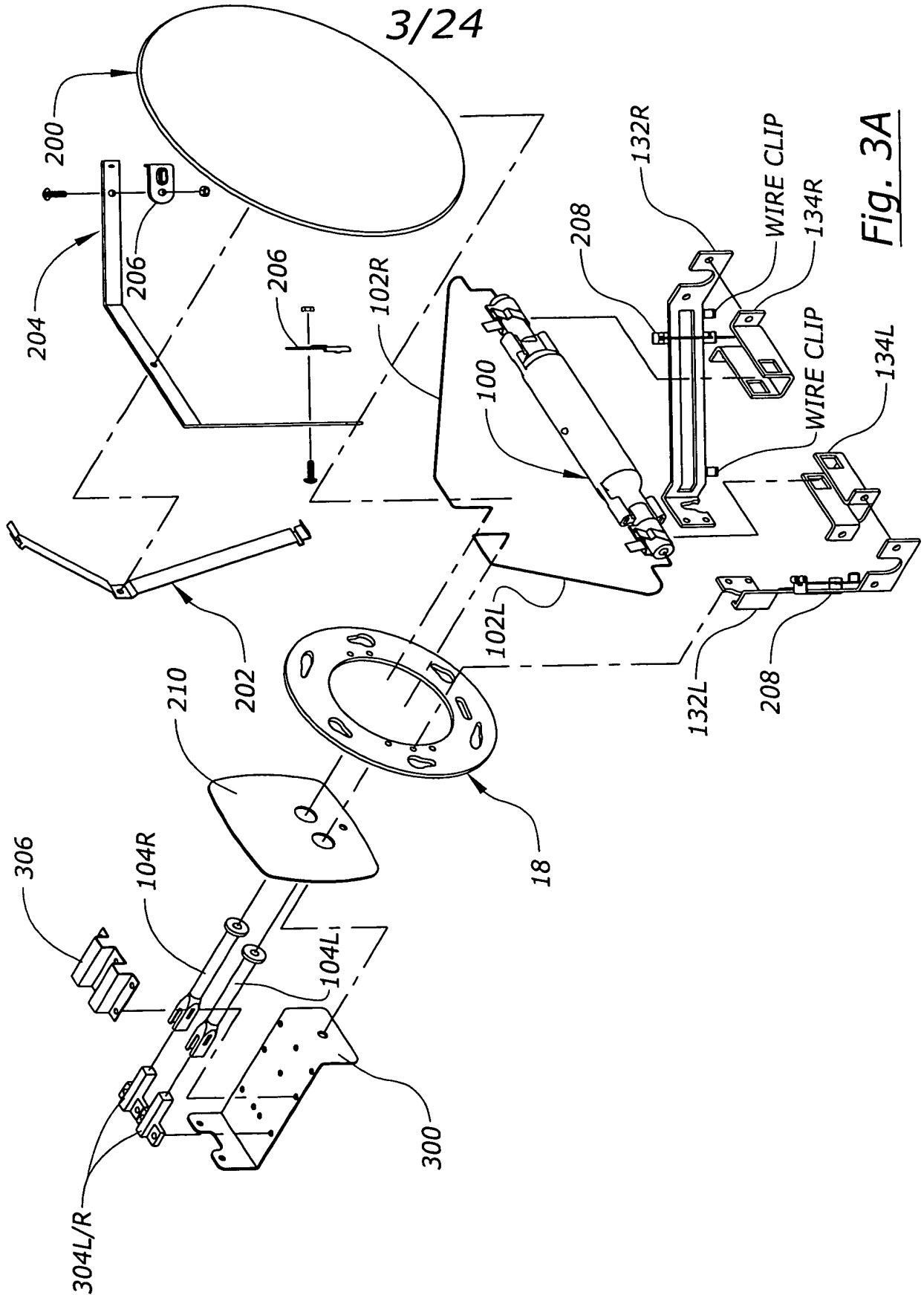


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PART #	DESCRIPTION
18	.125 THK. ALUM. 5052-H32
134L&R	.100 THK. ALUM. 5052-H32, ANODIZE PER MIL SPEC MIL-A-8625F, TYPE II, CLASS 1, CLEAR, LIGHT ETCH.
202	.020 THK. PREANODIZED ALUM. (REFLECTOR SHEET) OVERLAP (3" ) TEFLON TAPE OVER END AND TRIM W/ SCISSORS, 99% PTFE. TEFLON, GRADE: MILITARY, TEMP RANGE: -400°-+500°F, WIDTH: 1.50, THICKNESS: .003, ELONGATION: 50% MIN., SPEC. GRAVITY: 0.90 G/CC, COLOR: WHITE, SPECS. MEETS MILITARY SPEC. T-277-30A.
204	.080 THK. ALUM. 5052-H32
206	.060 ALUM. 5952-H32
208	.030 THK. ALUM. 5052-H32, STAINLESS STEEL 302 SPRING TEMPER
210	.060 THK. ALUM. 5052-H32
300	.060 THK. ALUM.

Fig. 3B

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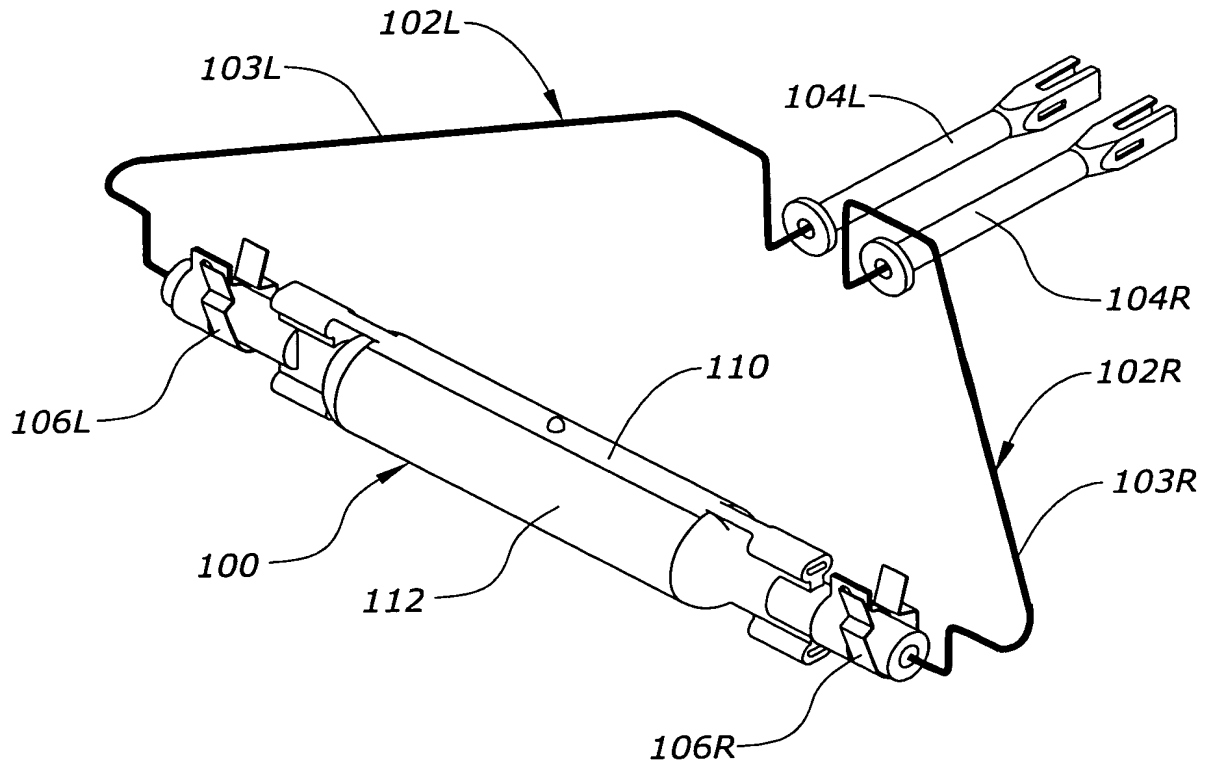


Fig. 4

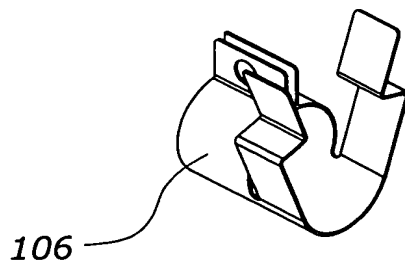


Fig. 5

.015 THK. 300 SERIES  
SS FULL HARD TEMPER  
ROCKWELL C40-45.  
(PASSIVATE PER  
ASTM A 380)

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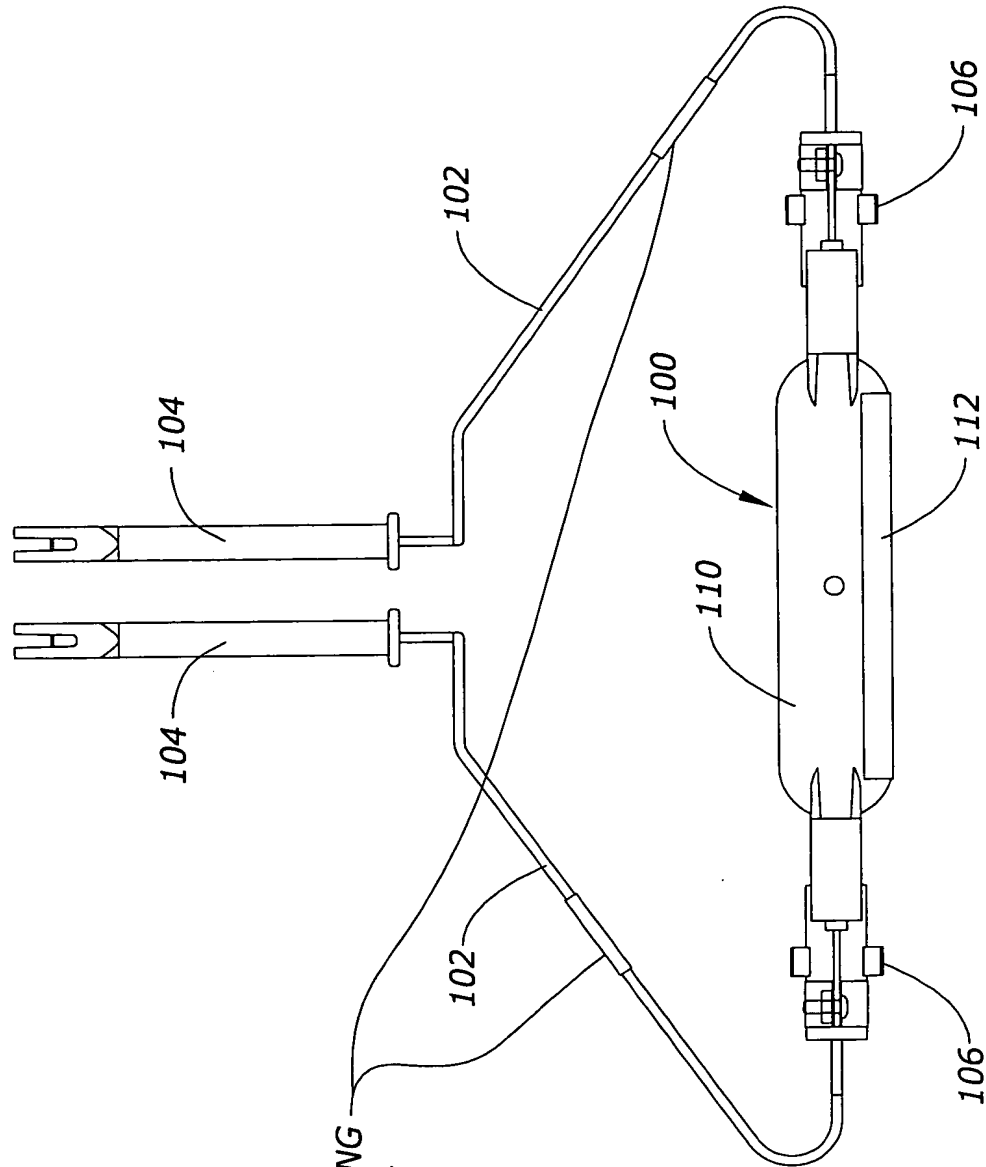


Fig. 6A

LAMP LEAD SLEEVING  
(HILEC INC. FIBER-  
GLASS SLEEVING  
710C #9, WHITE)  
11.75"±.06" LG.

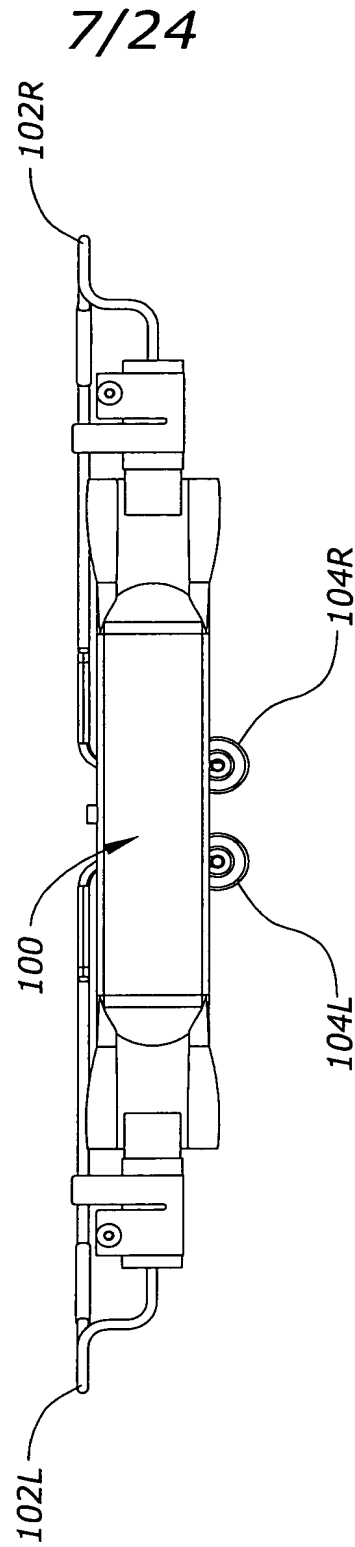
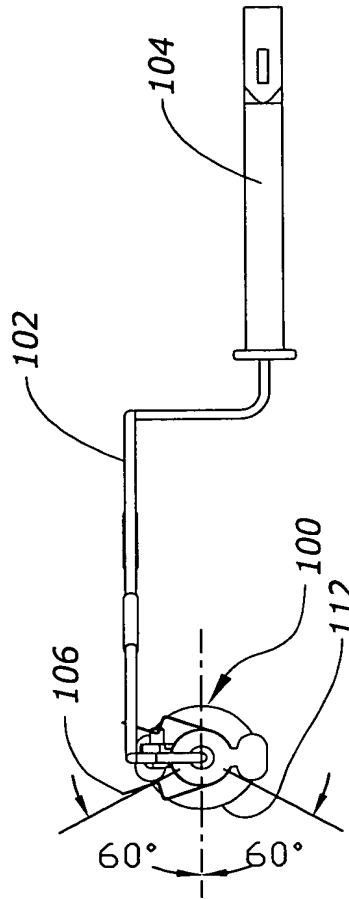


Fig. 6B

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COATING MUST BE CENTERED  
±5° WHEN LAMP IS PLACED  
INTO LAMP HOLDERS

Fig. 6C



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ORIENTATE THE 120° REFLECTIVE COATING  
OFF OF THIS END OF LAMP ONLY.  
PINCH SEALS ARE NOT ALWAYS IN LINE WITH  
EACH OTHER.

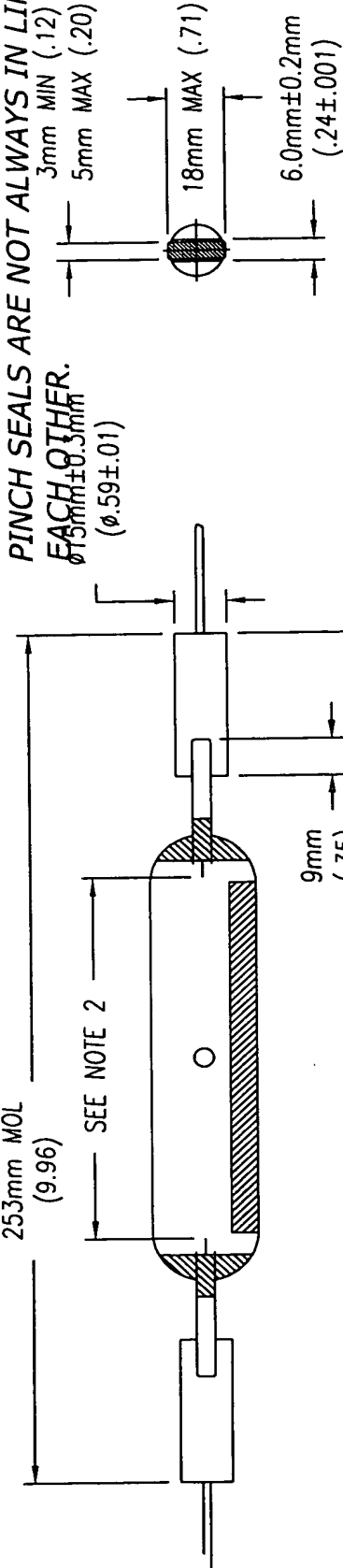


Fig. 7A  
LAMP LOCATOR WILL LOCATE  
OFF OF CERAMIC HOLDER AND  
SIDES OF PINCH SEAL

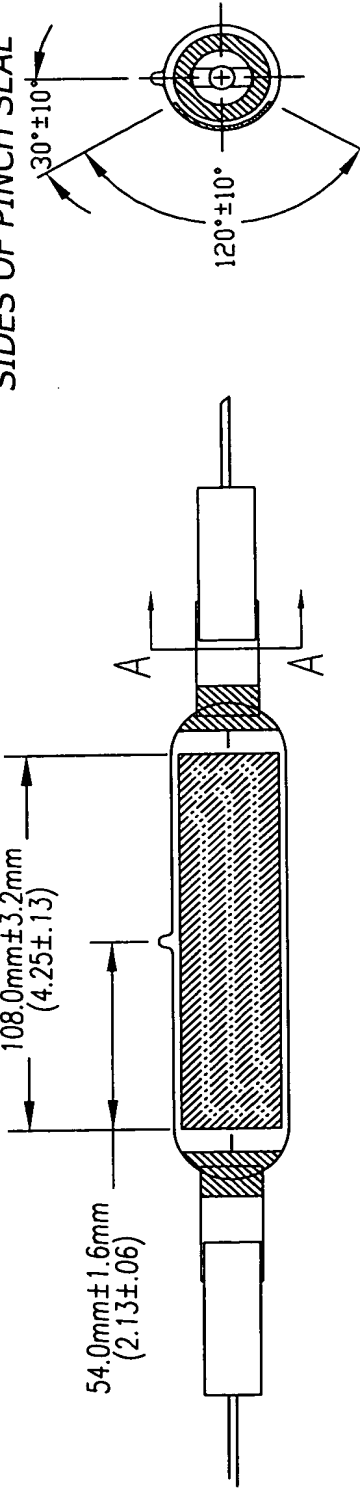


Fig. 7B

Fig. 7C

Fig. 7D

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NOTES:

1. REFLECTIVE COATED PARTS SHALL HAVE A TRANSMISSION AT NORMAL INCIDENCE OF LESS THAN 1% AVERAGE FROM 400NM TO 700 NM, AND GREATER THAN 70% AVERAGE TRANSMISSION AT NORMAL INCIDENCE FROM 800NM TO 1500NM. COATING SHALL BE DESIGNED FOR GREATER THAN 90% REFLECTION FROM 400NM TO 700NM.
2. REFLECTIVE COATING SHALL SURVIVE RAPID THERMAL SHOCK TO 900 DEGREES C. THIS SHALL BE TESTED FOR BY INSERTION OF A COATED WITNESS PLATE INTO A TEST CHAMBER HELD AT 900 DEGREES C; HOLDING THE WITNESS AT ROOM TEMPERATURE FOR 30 MINUTES, AND RAPID WITHDRAWAL OF THE WITNESS TO ROOM TEMPERATURE. THE COATING ON THE WITNESS PLATE SHALL SURVIVE THIS TEMPERATURE CYCLE WITH NO LOSS OF COATING.
3. REFLECTIVE COATING SHALL SURVIVE STANDARD 24 HOUR HUMIDITY TEST AT 49 DEGREES C. AND PASS QUICK TAPE TEST.
4. FILM CRACKING AND CRYSTALLIZATION OF THE REFLECTIVE COATING SHALL BE ACCEPTABLE, PROVIDED THAT NO COATING VOID SHALL BE LARGER THAN 0.010 INCHES IN ITS LARGEST DIMENSION.
5. COAT 360 DEGREES OF THE ARC TUBE WITH UV BLOCKING FILM. THE UV BLOCKING SHALL PRODUCE A COATING DESIGNED TO HAVE  $T < \text{OR} = 1\%$  AVERAGE FROM 200NM TO 390NM WHILE MAINTAINING  $T > \text{OR} = 95\%$  AVERAGE IN THE VISIBLE, APPROXIMATELY 400NM TO 700NM. THE FILM MUST WITHSTAND LONG TERM EXPOSURE TO APPROXIMATELY 1000° C.

Fig. 7E

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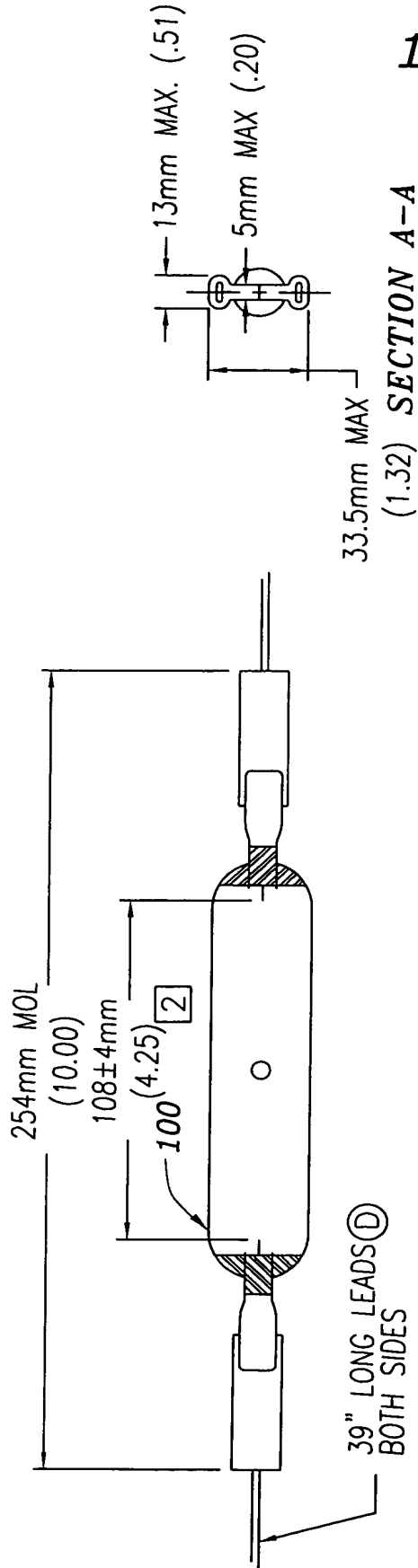


Fig. 8A

(1.32) SECTION A-A

Fig. 8B

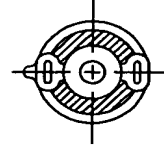
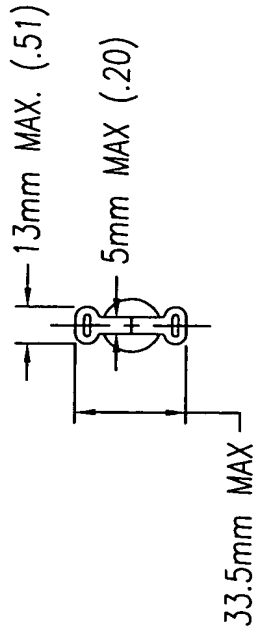


Fig. 8D

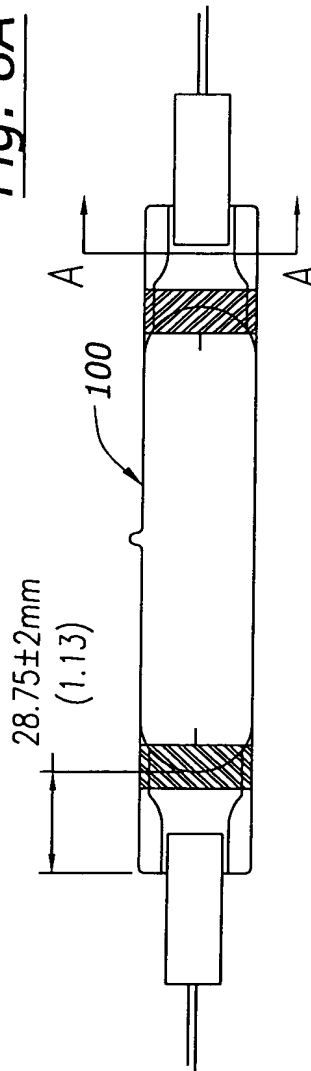


Fig. 8C

- NOTE:
1. DIMENSIONS IN ( ) ARE INCHES.
  - [2] DIMENSION IS THE ARC LENGTH.
  3. SYLVANIA LAMP NUMBER M2000T9/DE

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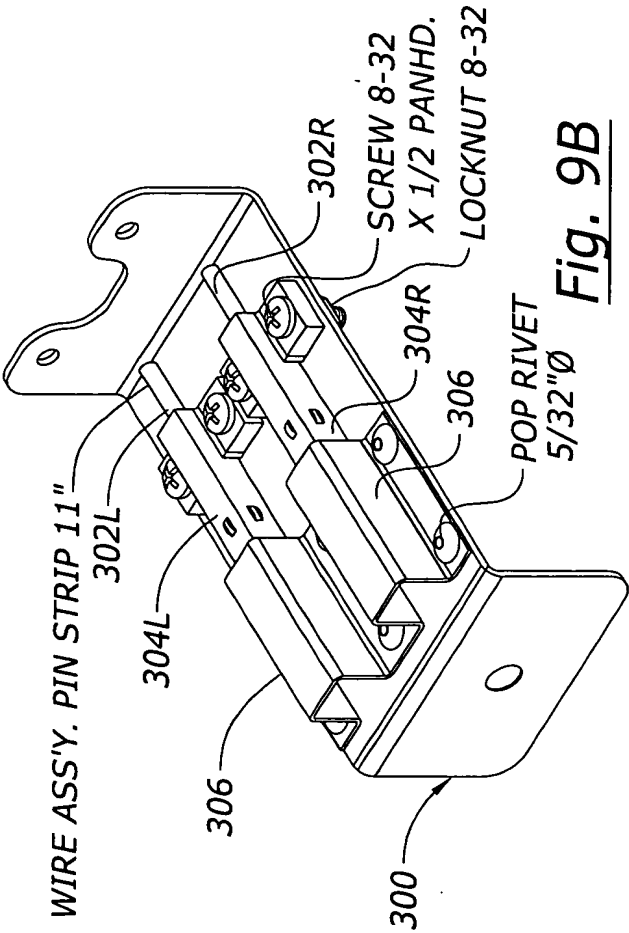


Fig. 9B

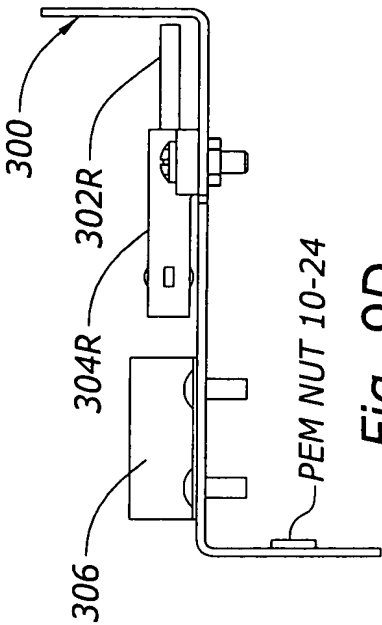


Fig. 9D

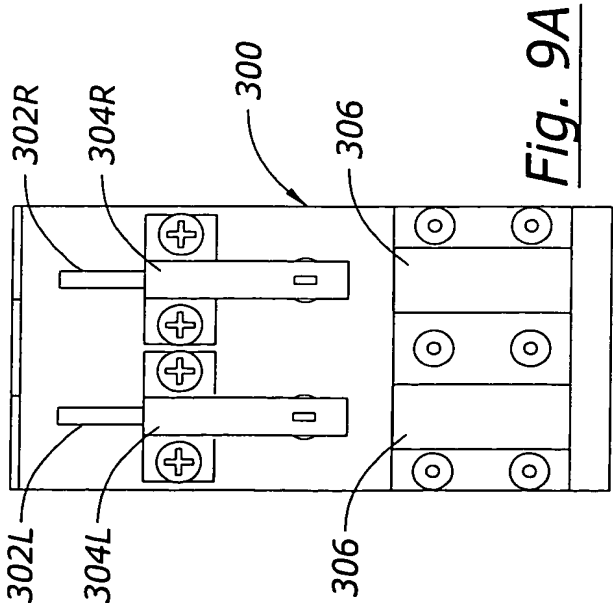


Fig. 9A

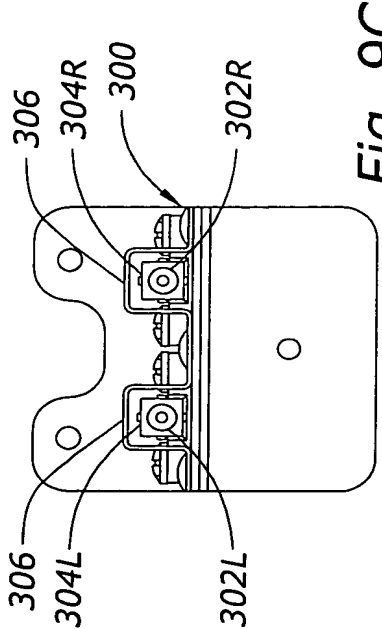
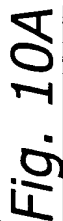


Fig. 9C



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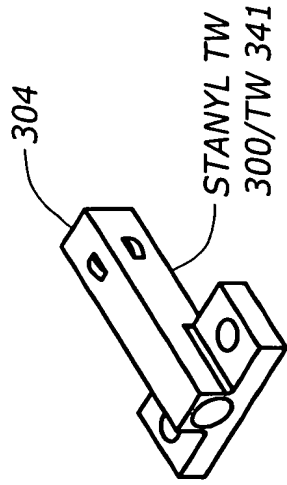
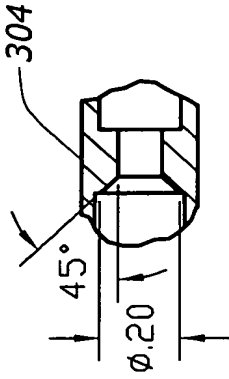


Fig. 11A



DETAIL B

Fig. 11C

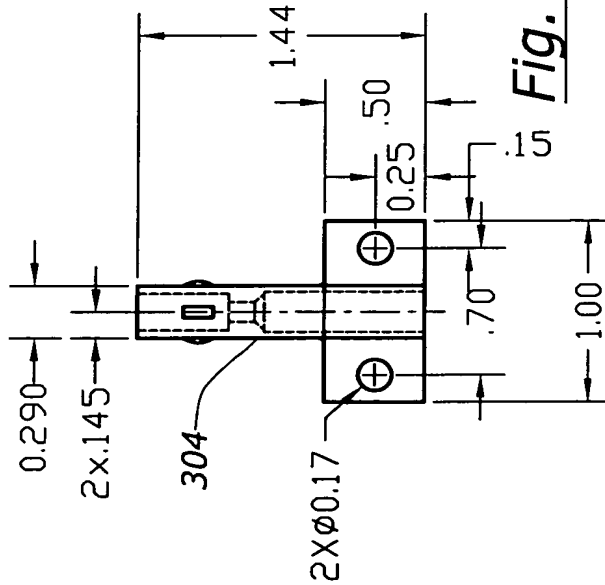


Fig. 11B

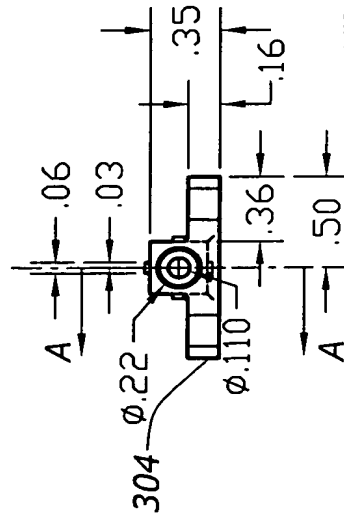
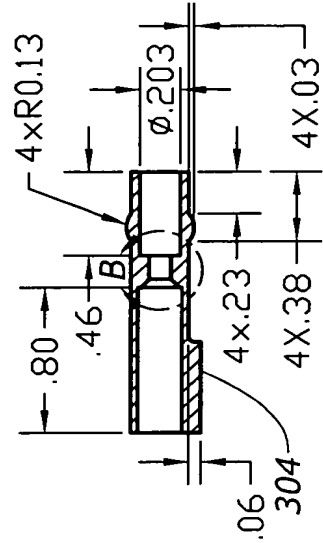


Fig. 11D



SECTION: A-A Fig. 11E

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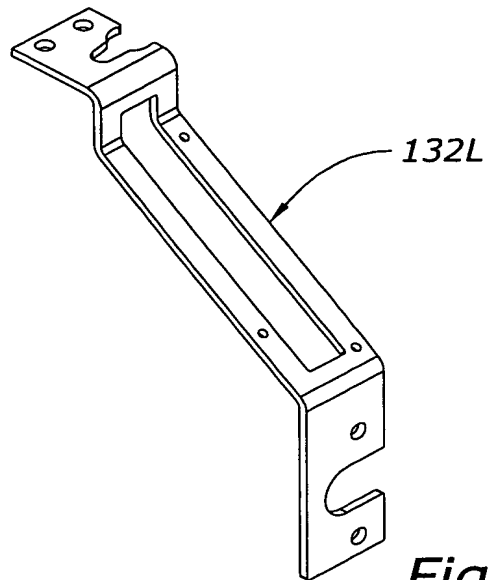
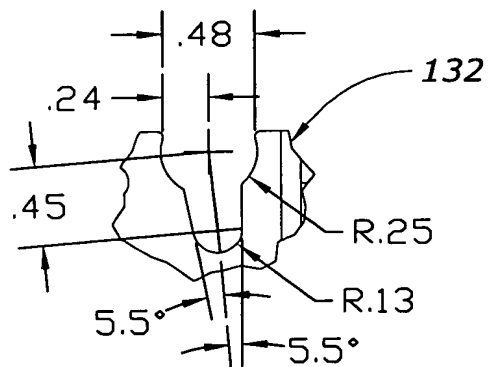


Fig. 12A



**SECTION: A**

**Fig. 12B**

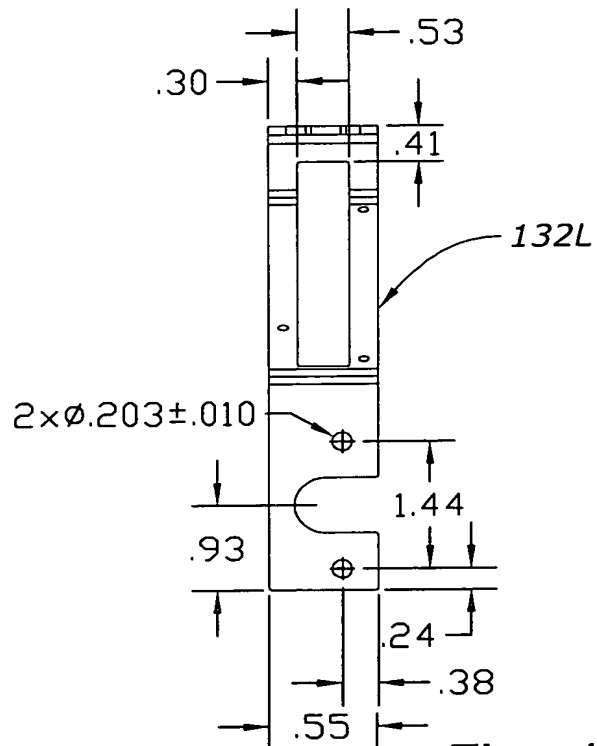


Fig. 12C

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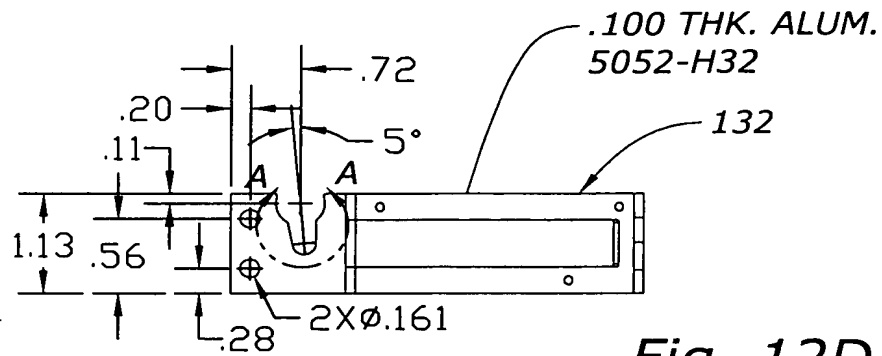


Fig. 12D

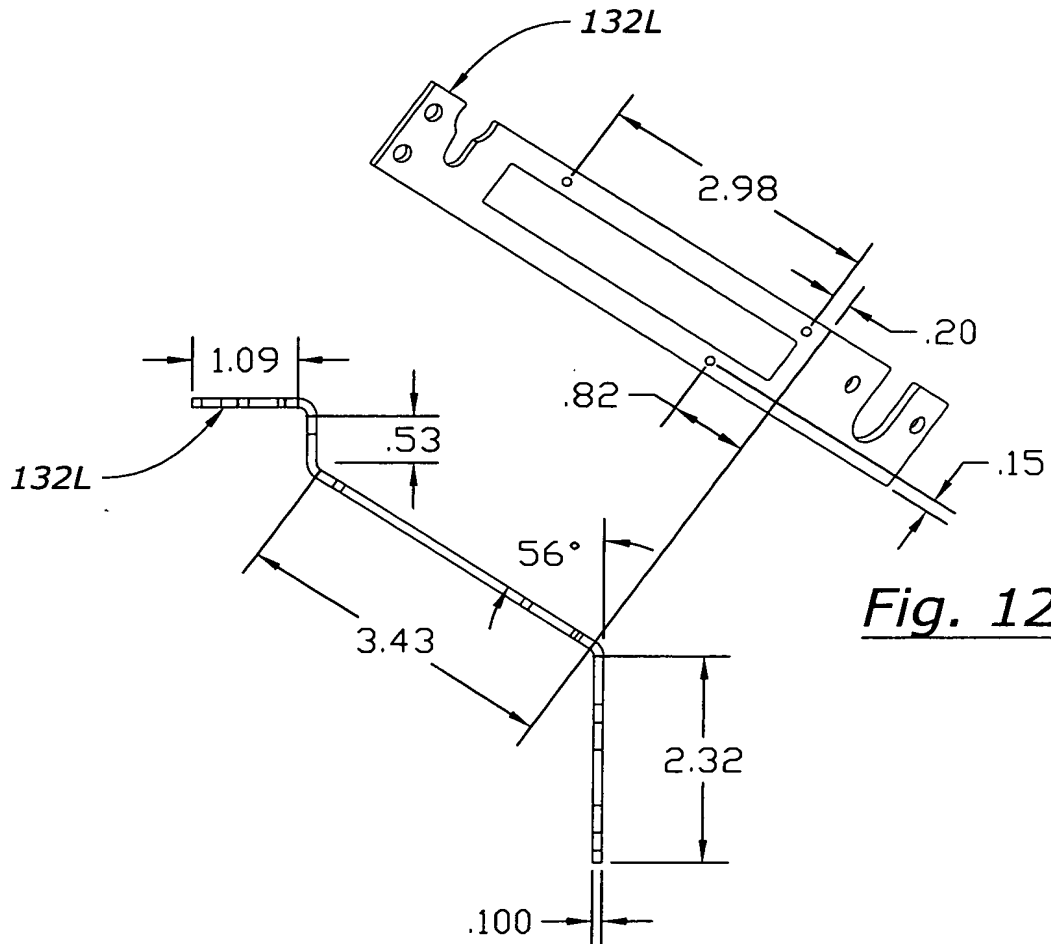


Fig. 12E

Fig. 12F



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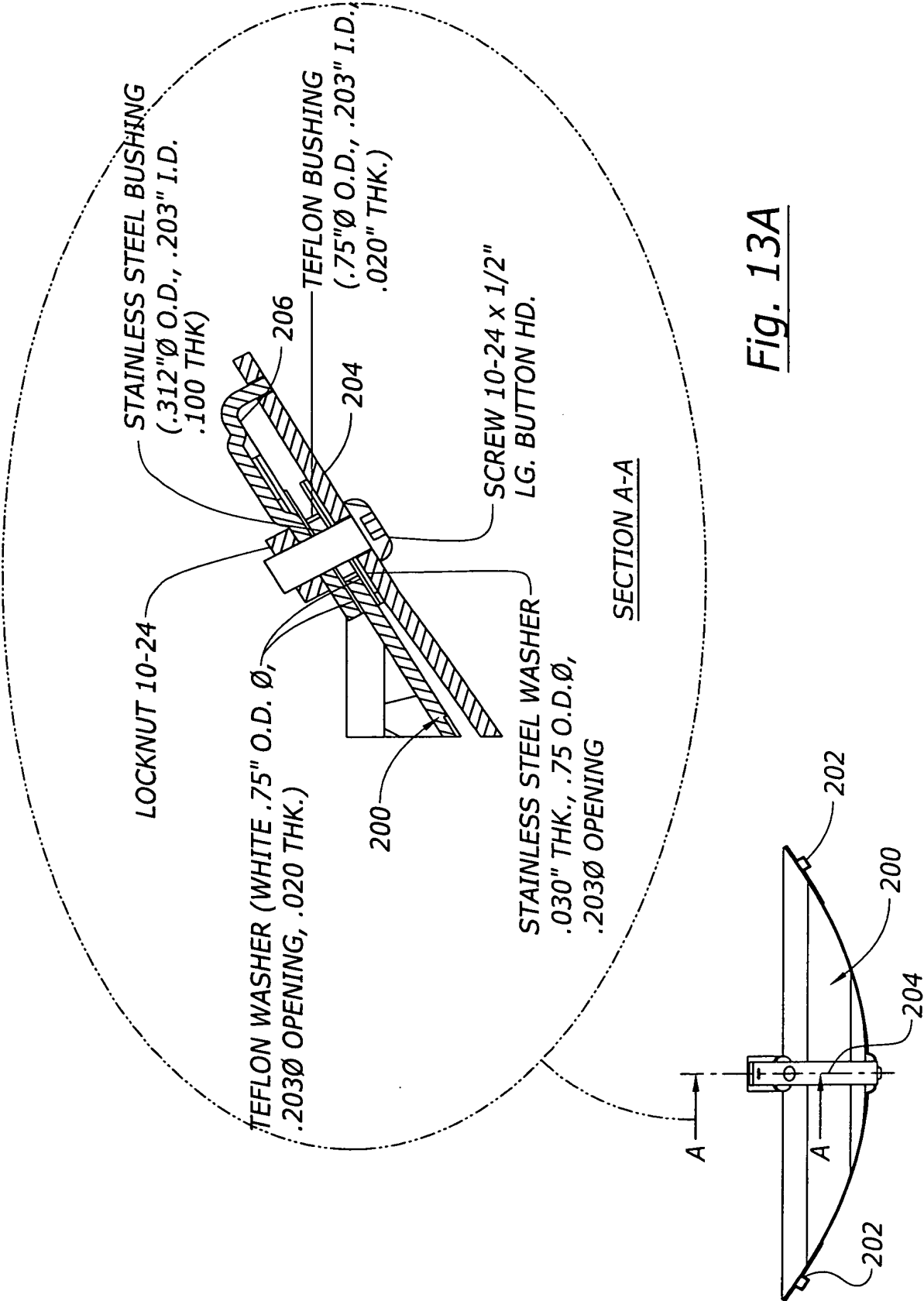


Fig. 13A

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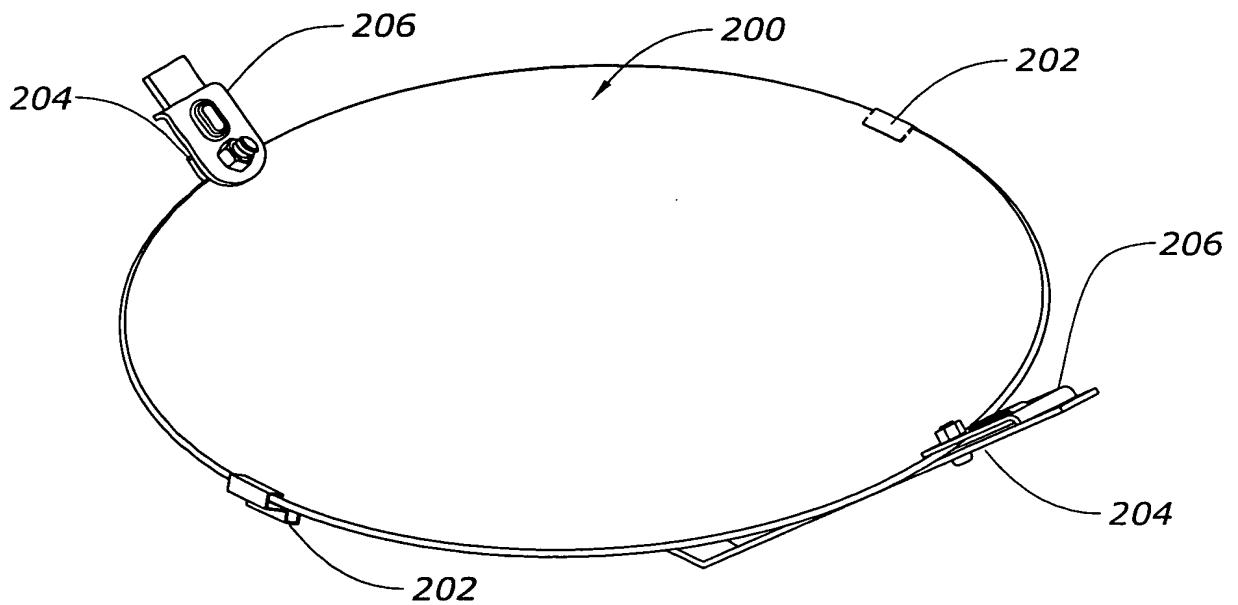


Fig. 13B

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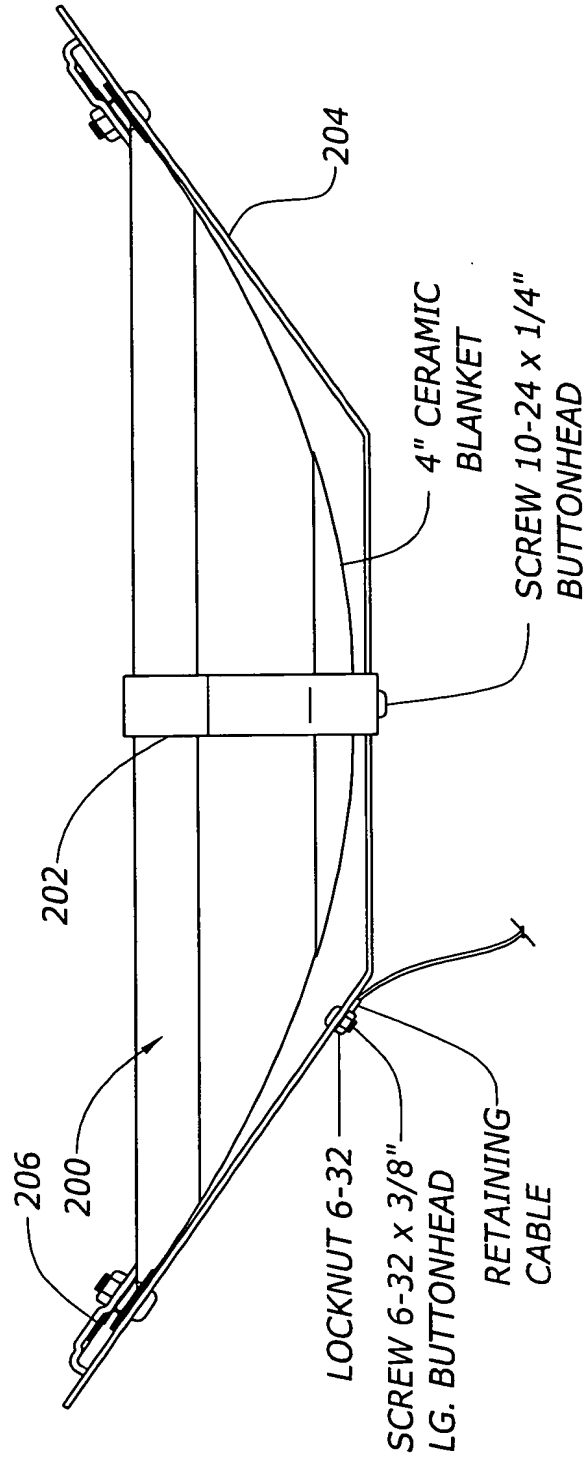


Fig. 13C

NOTE:

1. NO FINGER PRINTS OR FOREIGN MATTER ON MIRROR.  
 USE WHITE COTTON GLOVES WHEN ASSEMBLING.
2. DO NOT ATTEMPT TO CLEAN MIRROR.

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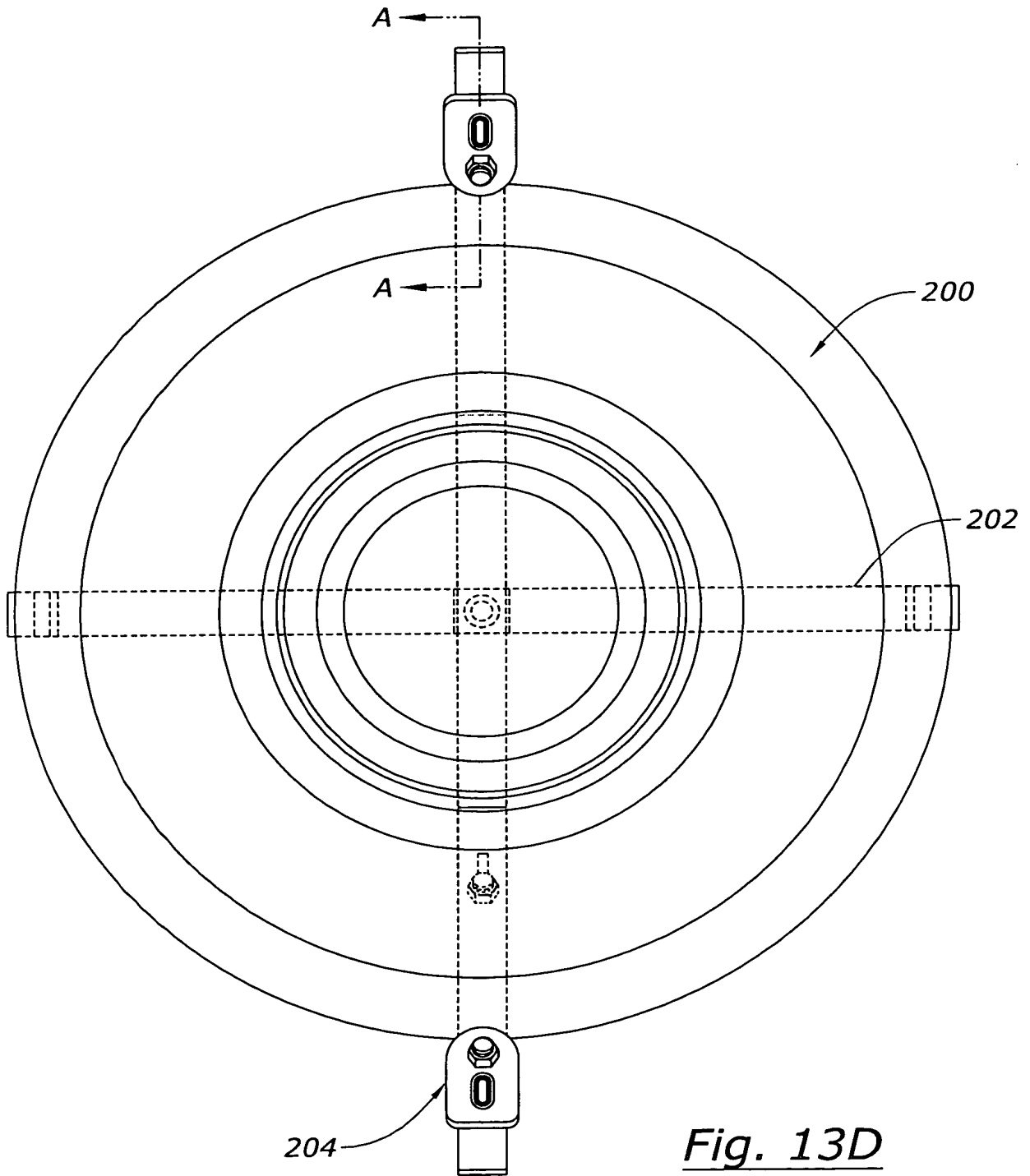
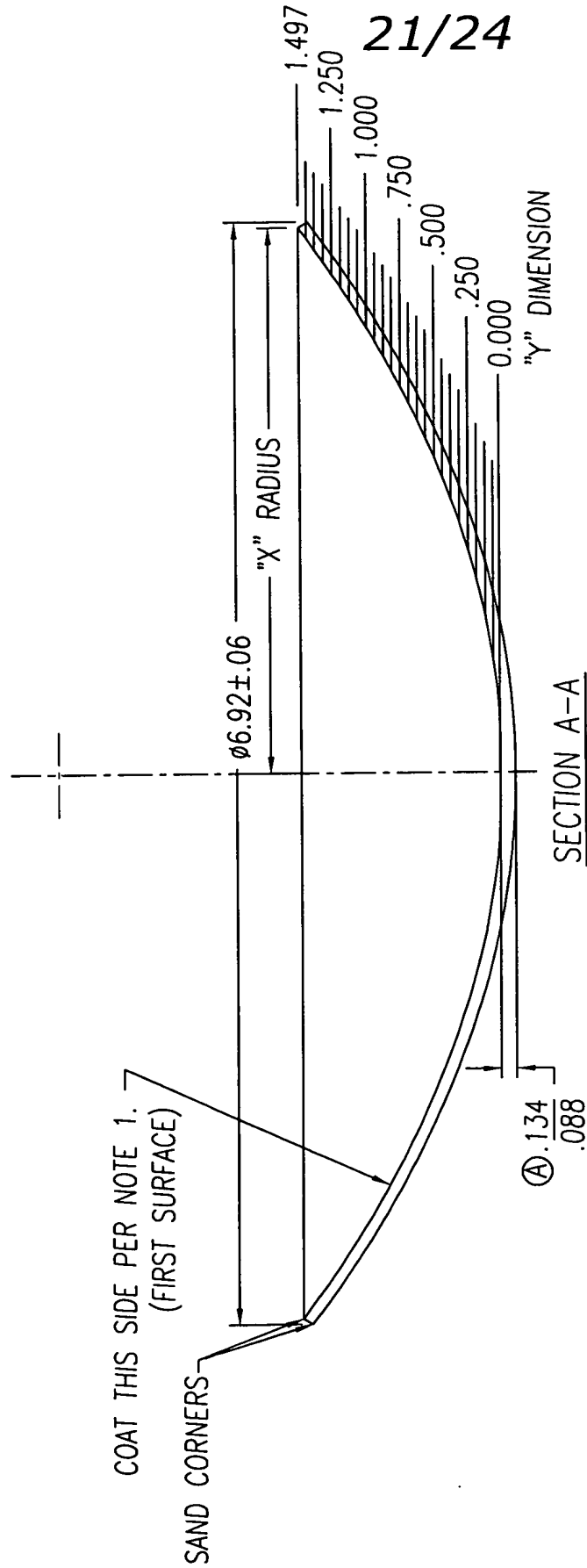


Fig. 13D



NOTE:

1. COATING: DICHROIC COLD COATING WITH A REFLECTANCE OF >94% FROM 430-680 NM.
2. CURVATURE IS A 3-5/16" FOCAL LENGTH PARABOLA.

Fig. 13E

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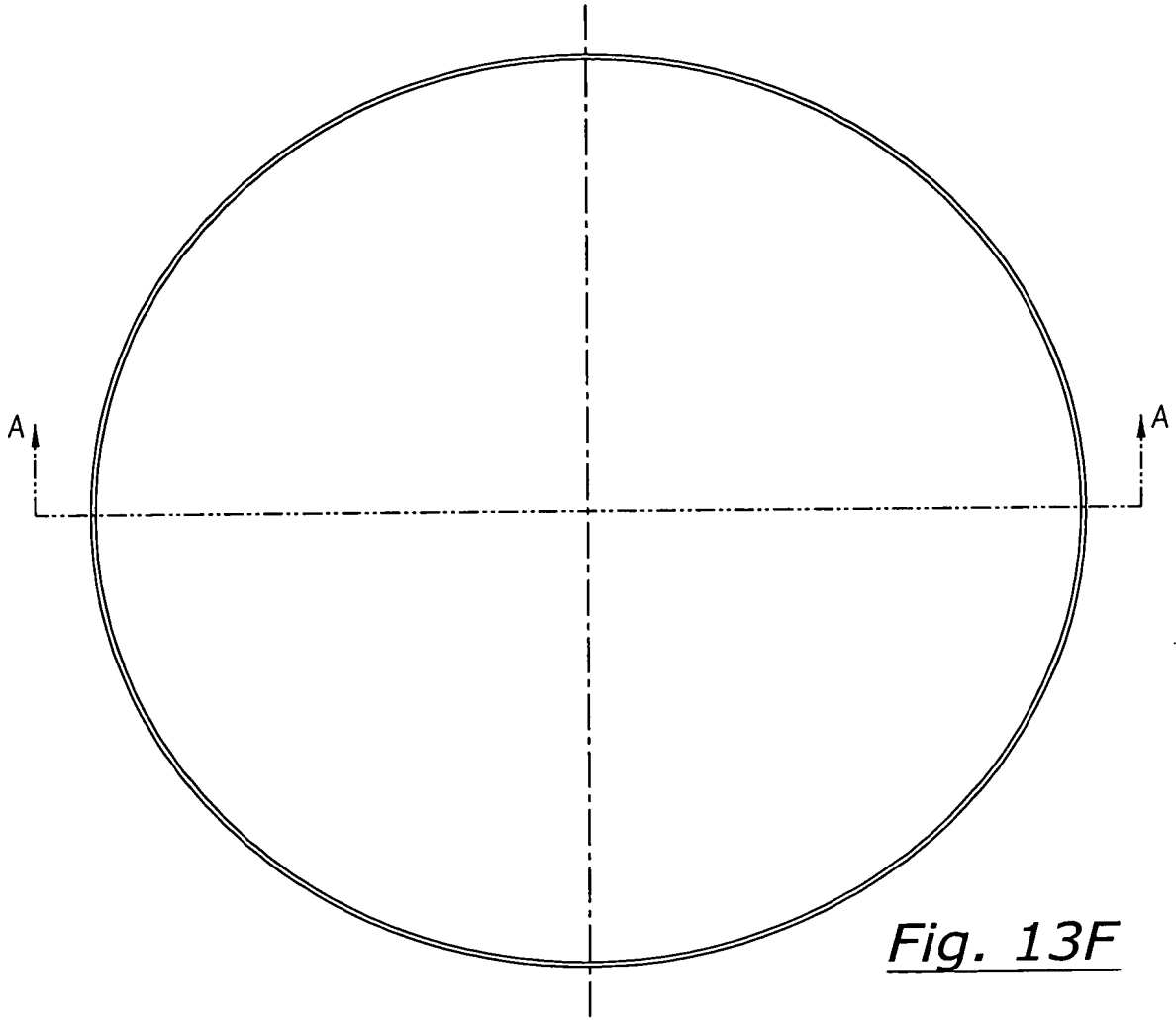


Fig. 13F

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"X" RAD	"Y" DIM
.911	.063
1.287	.125
1.576	.188
1.820	.250
2.035	.313
2.229	.375
2.408	.438
2.574	.500
2.730	.563
2.878	.625
3.018	.688
3.152	.750
3.281	.813
3.405	.875
3.524	.938
3.640	1.000
3.752	1.063
3.861	1.125
3.967	1.188
4.070	1.250
4.170	1.313
4.268	1.375
4.364	1.438
4.453	1.497

Fig. 13G

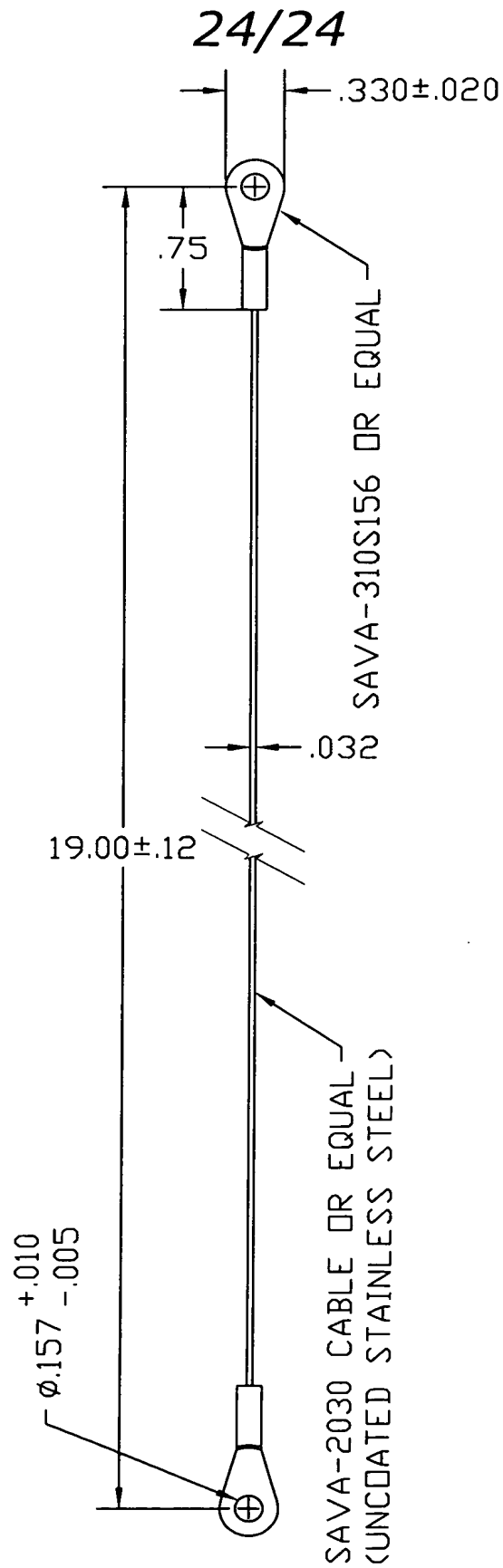


Fig. 13H